



Avian and Bat Issues in Wind Areas Research Scoping Workshop November 2, 2006

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Environmental Area





The Energy Commission Research Program is Solutions-Focused



Mission:

Provide advanced energy innovations in hardware, software, systems, exploratory concepts, supporting knowledge, and balanced portfolio of near, mid, long-term energy options for a sustainable energy future in California



Environmental Research Provides Information to Inform Policy

- Environmental research is focused on developing cost-effective approaches to evaluating and resolving environmental effects of energy production, delivery and use in California
- Must advance science or technology
- Not intended to fulfill permit and mitigation requirements

Research will Compliment Efforts to Establish Statewide Guidelines



- Research coordinated but independent of guideline development
- Research results will be valuable for future revisions/updates

Provide Empirical Foundation for Guidelines, Monitoring, and Mitigation

- R&D Committee Allocated \$1M Program for 2006/07
- **Goal:**
 - Inform wind siting/permitting guideline policy and stakeholders.
- **Objectives:**
 - Facilitate appropriate siting of wind development
 - Improve methods and metrics
 - Assess effectiveness of mitigation measures

Roadmap Process Establishes Research Agenda



Roadmap Objectives:

- Provide a forum for stakeholders to participate that includes:
 - Assist in developing the research scope
 - Comment on draft roadmap
- Relative to selected issues, identify gaps in ongoing research
- Facilitate collaborations with other research institutions, agencies, and operators
- Define short, mid, and long-term goals, timeframes, budgets, and activities
- Balance timeframes, risk, and provide the greatest public benefit





A Limited Budget Requires Prioritizing the Research Agenda



Workshop Goal:

Identify and prioritize research topics critical towards establishing a scientific framework for siting wind energy in California.



Proposed Timeline for Developing Roadmap



- **September:** Staff engaged in guideline development, reviewed literature, consulted experts to develop draft list of research topics
- **September:** Prepared a draft list of research needs and distributed on September 29, 2006
- **Present:** Scoping Workshop to add, delete, and prioritize research topics
- **January:** Release Draft Roadmap
- **February:** Workshop
- **March:** Final Roadmap
- **3rd Q 07:** Begin Research

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